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NO. 773 P. 1

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To: U.S. Patent and Trademark Office
Attn: OIPE

Facsimile: 703-746-9195
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From: Peter Yim

Date: May 18, 2004

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Comments:

Re: U.S. Patent Application Serial No. 10/735,212
For: PARAMETRIC OPTIMIZATION OF OPTICAL
METROLOGY MODEL
By: Junwei BAO et al.
Our Reference: 50998-20058.00

Attached are the following:

1. Transmittal (1 page)
2. Fee Transmittal (in duplicate, 2 pages)
3. Request for a Corrected Filing Receipt (2 pages)
4. Supplemental Application Data Sheet (3 pages)
5. Marked-up Filing Receipt (2 pages)

PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

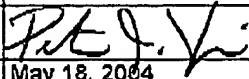
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<h1 style="text-align: center;">TRANSMITTAL FORM</h1> <p style="text-align: center;">(to be used for all correspondence after initial filing)</p>		Application Number	10/735,212
		Filing Date	December 12, 2003
		First Named Inventor	Junwei BAO
		Art Unit	2857
		Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	10	Attorney Docket Number	509982005800

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form (PTO/SB/17) (in duplicate, 2 pages) <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): 1. Request for Corrected Filing Receipt (2 pages); 2. Supplemental Application Data Sheet (3 pages); and 3. Marked-up Filing Receipt (2 pages)
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	MORRISON & FOERSTER LLP (Customer No. 20872) Peter J. Ylm - 44,417
Signature	
Date	May 18, 2004

I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office to facsimile number 703-748-9195, on the date shown below.

Dated: May 18, 2004

Signature:  (Laura Tsang)

sf-1701119

PTO/SB/17 (10-03)

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FEE TRANSMITTAL for FY 2004				<i>Complete if Known</i>																																																																																																																																																																																																																																																																																																																																																																																									
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ADDITIONAL FEES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for expedite reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>950</td><td>2253</td><td>475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,480</td><td>2254</td><td>740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2,010</td><td>2255</td><td>1,005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>290</td><td>2403</td><td>145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to Institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,330</td><td>2453</td><td>665</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,330</td><td>2501</td><td>665</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>480</td><td>2502</td><td>240</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>840</td><td>2503</td><td>320</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>180</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(g)</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1906</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809</td><td>770</td><td>2809</td><td>385</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>770</td><td>2810</td><td>385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>770</td><td>2801</td><td>385</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1902</td><td>900</td><td>1902</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="4">Other fee (specify): Corrected Filing Receipt</td><td></td><td>25.00</td></tr> <tr> <td colspan="4" style="padding: 5px;">1. 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1253	950	2253	475	Extension for reply within third month																																																																																																																																																																																																																																																																																																																																																																																									
1254	1,480	2254	740	Extension for reply within fourth month																																																																																																																																																																																																																																																																																																																																																																																									
1255	2,010	2255	1,005	Extension for reply within fifth month																																																																																																																																																																																																																																																																																																																																																																																									
1401	330	2401	165	Notice of Appeal																																																																																																																																																																																																																																																																																																																																																																																									
1402	330	2402	165	Filing a brief in support of an appeal																																																																																																																																																																																																																																																																																																																																																																																									
1403	290	2403	145	Request for oral hearing																																																																																																																																																																																																																																																																																																																																																																																									
1451	1,510	1451	1,510	Petition to Institute a public use proceeding																																																																																																																																																																																																																																																																																																																																																																																									
1452	110	2452	55	Petition to revive - unavoidable																																																																																																																																																																																																																																																																																																																																																																																									
1453	1,330	2453	665	Petition to revive - unintentional																																																																																																																																																																																																																																																																																																																																																																																									
1501	1,330	2501	665	Utility issue fee (or reissue)																																																																																																																																																																																																																																																																																																																																																																																									
1502	480	2502	240	Design issue fee																																																																																																																																																																																																																																																																																																																																																																																									
1503	840	2503	320	Plant issue fee																																																																																																																																																																																																																																																																																																																																																																																									
1460	180	1460	130	Petitions to the Commissioner																																																																																																																																																																																																																																																																																																																																																																																									
1807	50	1807	50	Processing fee under 37 CFR 1.17(g)																																																																																																																																																																																																																																																																																																																																																																																									
1806	180	1906	180	Submission of Information Disclosure Stmt																																																																																																																																																																																																																																																																																																																																																																																									
8021	40	8021	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																																																																																																																																																																																																									
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																																																																																																																																																																																																																									
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																																																																																																																																																																																																																									
1801	770	2801	385	Request for Continued Examination (RCE)																																																																																																																																																																																																																																																																																																																																																																																									
1902	900	1902	900	Request for expedited examination of a design application																																																																																																																																																																																																																																																																																																																																																																																									
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Name (Print/Type): Peter J. Yim			Registration No. (Attorney/Agent): 44,417																																																																																																																																																																																																																																																																																																																																																																																										
Signature: <i>Peter J. Yim</i>			Telephone: (415) 268-6373																																																																																																																																																																																																																																																																																																																																																																																										
			Date: May 18, 2004																																																																																																																																																																																																																																																																																																																																																																																										

I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office at facsimile number 703-746-8195, on the date shown below.

Dated: May 18, 2004

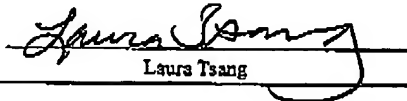
Signature: *Laura Tsang* (Laura Tsang)

sf-1702109

PATENT
Docket No. 509982005800

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office at facsimile number 703-746-9195 on May 18, 2004.


Laura Tsang

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Junwei BAO et al.

Serial No.: 10/735,212

Filing Date: December 12, 2003

For: PARAMETRIC OPTIMIZATION OF
OPTICAL METROLOGY MODEL

Examiner: Not Yet Assigned

Group Art Unit: 2857

REQUEST FOR CORRECTED FILING RECEIPT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Please furnish the undersigned with a Corrected Filing Receipt for the above-identified application. The correction needed is as follows. Under "Title," please replace "Parametric optimization of optical metrology" with "Parametric optimization of optical metrology model."

It has been determined that this mistake occurred on the part of the applicant. Hence, attached in duplicate, is PTO/SB/17 (Fee transmittal) to cover the fees associated with the Filing

sf-1701096

of this request. An amended Application Data Sheet is attached. Additionally, a copy of the marked-up Filing Receipt is also attached in support of this request.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to Deposit account no. 03-1952 referencing 509982005800. However, the commissioner is not authorized to charge the cost of the issue fee to the deposit account.

Dated: May 18, 2004

Respectfully submitted,

By: 

Peter J. Yim
Registration No. (44,417)

Morrison & Foerster LLP
425 Market Street
San Francisco, CA 94105
Telephone: (415) 268-6373
Facsimile: (415) 268-7522



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/735,212	12/12/2003	2857	1762	509982005800	18	56	7

CONFIRMATION NO. 1775

20872
MORRISON & FOERSTER LLP
425 MARKET STREET
SAN FRANCISCO, CA 94105-2482

RECEIVED

FILING RECEIPT



OC000000012165950

MAR 26 2004

MORRISON & FOERSTER

Date Mailed: 03/23/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Junwei Bao, Fremont, CA;
Vi Vuong, Fremont, CA;
Manuel Madriaga, Santa Clara, CA;
Daniel Prager, Hopewell Junction, NY;

Domestic Priority data as claimed by applicant

Foreign Applications

If Required, Foreign Filing License Granted: 03/23/2004

Projected Publication Date: 08/16/2005

Non-Publication Request: No

Early Publication Request: No

Title

Parametric optimization of optical metrology *Model*

Preliminary Class

DC 00000000

ajr

702

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).